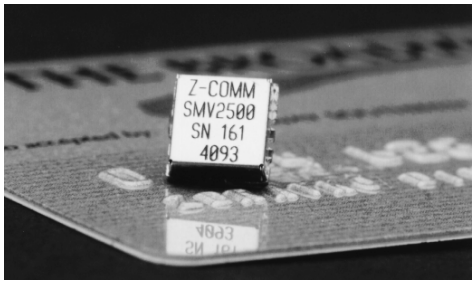
查询SMV0135A供应商

Z-Communications, Inc.
9939 Via Pasar • San Diego, CA 92126
TEL (619) 621-2700 FAX (619) 621-2722

SMV0135A

VOLTAGE CONTROLLED OSCILLATOR

Rev A1



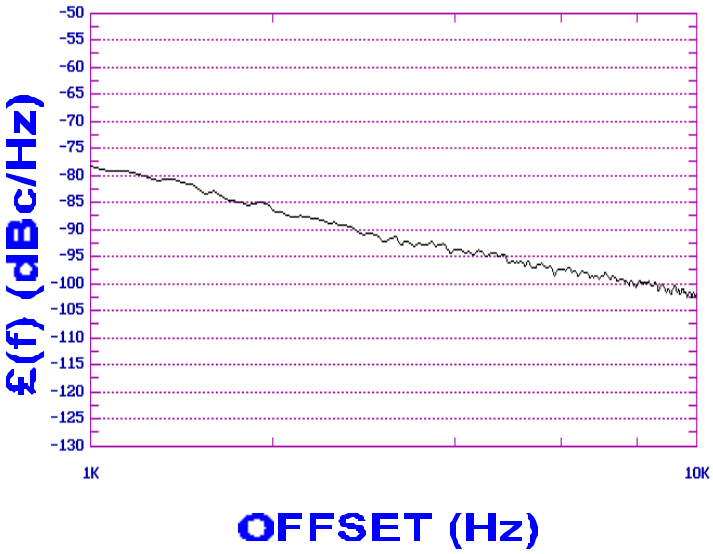
FEATURES

- Frequency Range: 120 - 150 MHz
- Tuning Voltage: 0.5-4.5 Vdc
- SUB-L - Style Package

APPLICATIONS

- Portable Radios
- Basestations
- Test Instruments

PHASE NOISE (1 Hz BW, typical)



PERFORMANCE SPECIFICATIONS	VALUE	UNITS
Oscillation Frequency Range	120 - 150	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-101	dBc/Hz
Harmonic Suppression (2nd, typ.)	-11	dBc
Tuning Voltage	0.5-4.5	Vdc
Tuning Sensitivity (avg.)	12	MHz/V
Power Output	3±3	dBm
Load Impedance	50	Ω
Input Capacitance (max.)	50	pF
Pushing	<2	MHz/V
Pulling (14 dB Return Loss, Any Phase)	<2	MHz
Operating Temperature Range	-30 to 85	°C
Package Style	SUB-L	
POWER SUPPLY REQUIREMENTS		
Supply Voltage (Vcc, nom.)	5	Vdc
Supply Current (Icc, typ.)	20	mA

All specifications are typical unless otherwise noted and subject to change without notice.

APPLICATION NOTES

- AN-100/1 : Mounting and Grounding of VCOs
- AN-102 : Proper Output Loading of VCOs
- AN-107 : How to Solder Z-COMM VCOs

NOTES:

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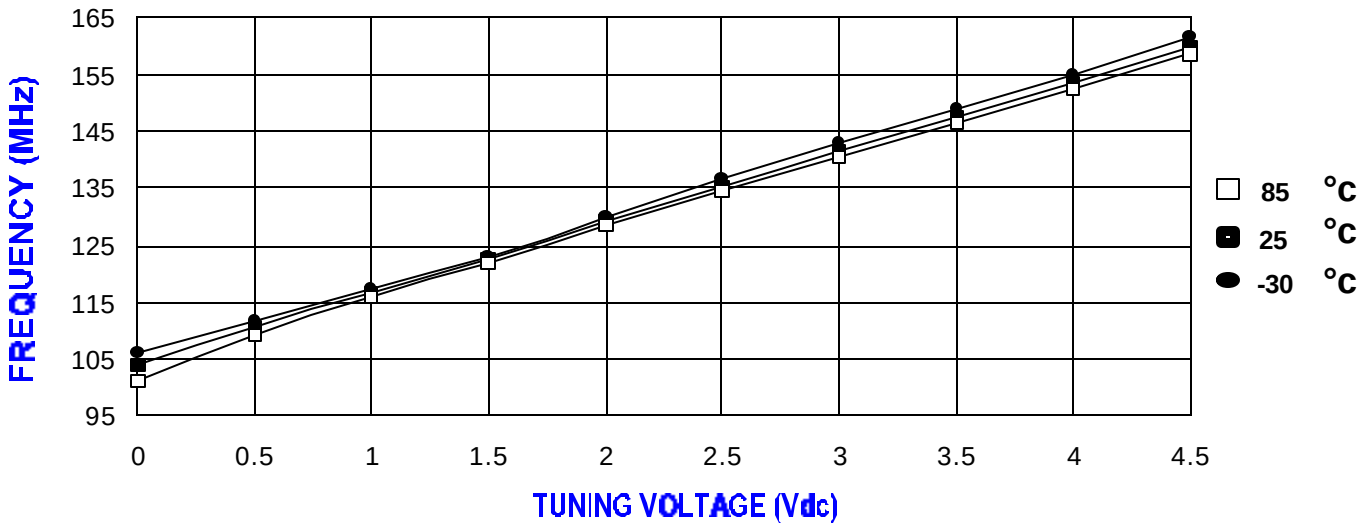
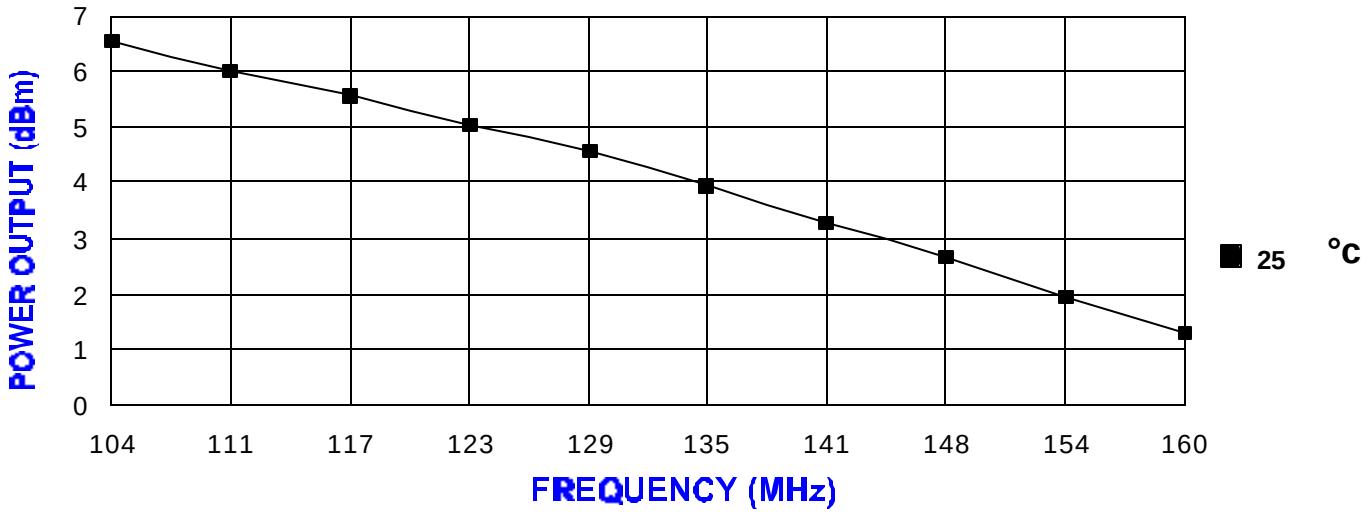
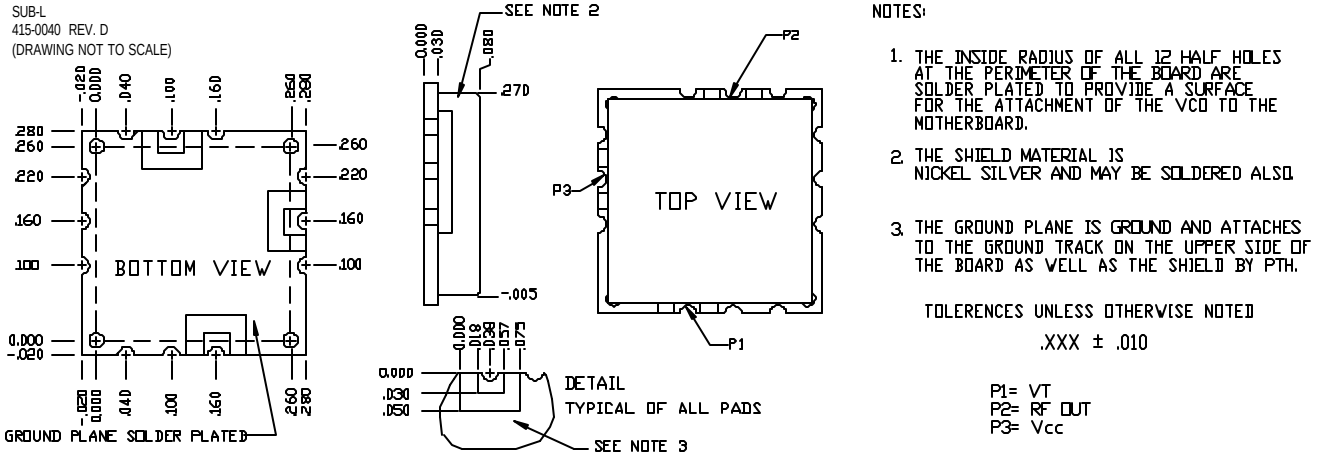
TUNING CURVE, typ.



POWER CURVE, typ.



PHYSICAL DIMENSIONS


SUB-L
415-0040 REV. D
(DRAWING NOT TO SCALE)
BOTTOM VIEW
GROUND PLANE SOLDER PLATED
SEE NOTE 2
SEE NOTE 3
DETAIL
TYPICAL OF ALL PADS
TOP VIEW
P1
P2
P3
NOTES:
1. THE INSIDE RADIUS OF ALL 12 HALF HOLES AT THE PERIMETER OF THE BOARD ARE SOLDER PLATED TO PROVIDE A SURFACE FOR THE ATTACHMENT OF THE VCO TO THE MOTHERBOARD.
2. THE SHIELD MATERIAL IS NICKEL SILVER AND MAY BE SOLDERED ALSO.
3. THE GROUND PLANE IS GROUND AND ATTACHES TO THE GROUND TRACK ON THE UPPER SIDE OF THE BOARD AS WELL AS THE SHIELD BY PTH.
TOLERENCES UNLESS OTHERVISE NOTED
.XXX ± .010
P1= VT
P2= RF OUT
P3= Vcc